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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Etienne Duguet et al.

Application No.: 10/579,247

Filing Date: May 12, 2006

Title: UNSYMMETRICAL INORGANIC
PARTICLES, AND METHOD FOR
PRODUCING THE SAME



Group Art Unit:

Examiner:

Confirmation No.:

FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

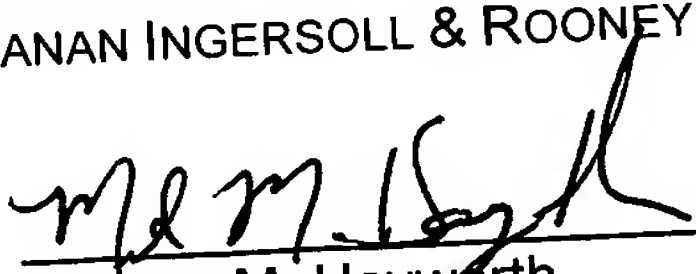
- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date January 25, 2007

By:


Melissa M. Hayworth
Registration No. 45774

P.O. Box 1404
Alexandria, VA 22313-1404
703 836 6620



THE UNITED STATES PATENT AND TRADEMARK OFFICE

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FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

A copy of the International Search Report mailed April 11, 2005 from the corresponding PCT application is enclosed.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

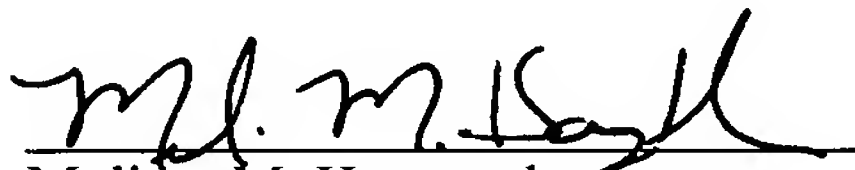
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Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

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703 836 6620

**FIRST
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

JAN 25 2007

PATENT & TRADEMARK OFFICE

Application Number	10/579,247
Filing Date	May 12, 2006
First Named Inventor	Etienne Duguet et al.
Examiner Name	
Attorney Docket No.	1032013-000137

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	2004/044061		PCT	03-27-2004				X			
	01/85324		PCT	11-15-2001				X			

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	International Search Report dated April 11, 2005
	Stephane RECULUSA et al., "Syntheses of Raspberry-like Silica/Polystyrene Material", Chemistry of Materials, Washington, US, Vol. 14, No. 5, pp. 2354-2359, (May 2002).
	Christian CASAGRANDE et al., "Realisation et Premieres Observations Des Proprietes interfaciales Janus Beads: Realization and First Observation of Interfacial Properties", C.R. Acad. Sci. Paris, Vol. 306, No. II, pp. 1423-1425 (1988), XP001216718.
	Laetitia PETIT et al., "Sub-micrometer Silica Spheres Dissymmetrically Decorated with Gold Nanoclusters", Materials Letters, Vol. 51, No. 6, pp. 478-484, Amsterdam, NL, (December 2001), XP004320531.

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.